

ABSTRACT OF THE DISCLOSURE

5 A sorting conveyor for transporting objects and  
unloading objects at one or more unloading stations  
adjacent the conveyor. The sorting conveyor includes: a  
conveyor track; a train of conveyor carts connected end-  
to-end. Each of the conveyor carts includes a trailer  
10 frame base having a roller structure for engaging the  
conveyor track, an extended fin driven member responsive  
to an opposed roller motor assembly, and a hitch  
mechanism for connecting each conveyor cart to an  
adjacent conveyor cart. The opposed roller motor  
15 assembly for moving the conveyor carts on the conveyor  
track includes a motor; a support frame attached to the  
conveyor track for supporting the motor; and a pair of  
cantilevered, drive rollers connected to a motor and  
adjacent to each surface of the extended fin driven  
20 member for off-setting the mechanical load of the other  
drive roller.